



S P E D I A N T

November 18, 2003

To: Ms. Anne Caldas
ANSI
Director
Procedures and Standards Administration
Fax: (212) 840-2298

Re: T1 Standards

T1E1-43 M2DSL project
T1E1-39 HDSL2 project → T1.418

This is to affirm that:

If part of a submission made by Spediant Systems Ltd. ("Spediant") is included in a American National Standard ("standard") and Spediant has patents and/or pending application(s) that are essential to implementation of such included part in said standard, Spediant is prepared to make a license available to applicants under reasonable terms and conditions that are demonstrably free of any unfair discrimination.

Written requests for licenses may be sent to:

Spediant Systems Ltd.
Erez Baron, CFO
126 Yigal Allon
Tel-Aviv 67443
Israel

Tel: 6945456-3-972
E-mail: erezb@spediant.com

Regards,

Erez Baron,
Chief Financial Officer
Spediant Systems Ltd.

CC: T1 Secretariat at ATIS, fax: (202) 347-7125

HDSL
T1.418

T1E1/99-019

Date: June 11, 1999

**STATEMENT OF PATENT HOLDER CONCERNING THE USE OF PATENTED
TECHNOLOGY RELATED TO THE HDSL2 STANDARD (T1E1.4/99-006R3)**

Name of Patent Holder:

ADTRAN, INC.
901 Explorer Blvd., P.O. Box 140000
Huntsville, AL 35814-4000

Contact John R. Cooper, CFO
 Tel. (256)-963-8354
 Fax. (256)-963-8004
 Email: john.cooper@adtran.com

Adtran owns at least one U.S. patent that may be essential to the HDSL2 standard. In addition Adtran has several patents pending that may be essential and are related to the HDSL2 standard. The Patent Holder is prepared to grant – on the basis of reciprocity for the standard – a license to an unrestricted number of applicants on a non-discriminatory basis and on reasonable terms and conditions.

Signed:

Kevin W. Schneider

Title: Vice President of Technology

Company: Adtran, Inc.

Date: